

DERWENT-ACC-NO: 2003-012195

DERWENT-WEEK: 200301

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TITLE: Tray centering device of disk drive

INVENTOR: JUN, D H

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2000KR-0079932 (December 21, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002050677 A	June 27, 2002	N/A	001	G11B 017/038

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2002050677A	N/A	2000KR-0079932	December 21, 2000

INT-CL (IPC): G11B017/038

ABSTRACTED-PUB-NO: KR2002050677A

BASIC-ABSTRACT:

NOVELTY - A tray centering device of a disk drive is provided to supply an elastic force to a centering rib by a supporting spring, thereby exactly guiding a centering boss and buffering impact caused by centering boss collision.

DETAILED DESCRIPTION - A tray(30) for loading and unloading a disk is movable on a main base(20). Guide ribs(22, 22') guide movements of the tray and prevent the tray from being taken away to an upper direction. A centering boss(24) performs a centering process for conforming a center of the tray with a center of the disk, when the tray is located inside. A disk set surface(32) is formed on an upper surface of the tray, to set the disk. The disk set surface sinks from the upper surface of the tray according to the size of the disk. The tray moves inside and outside of a disk drive on the main base. Both upper surfaces of the tray are guided by the guide ribs.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: TRAY CENTRE DEVICE DISC DRIVE

DERWENT-CLASS: T03

EPI-CODES: T03-F01;

